

HHIB UNIHED SHAMES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Holden's Joundation Seeds T. F. C.

MICCOLS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT. THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TIME THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE GHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR RTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORN, FIELD

'LH372'

In Testimonn Thereof, I have hereunto set my hand and caused the seal of the Plant Unriety Protection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of April, in the year two thousand and eight.

Altest:

Olozu

Commissioner Plant Variety Protection Office Agricultural Marhoting Service Colmond = schafe

f Agriculture

REPRODUCE LOCALLY. Include form number and date on all reproductions			Form Approved - OMB No. 0581-0055		
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE			The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.		
APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)			Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).		
1, NAME OF OWNER			TEMPORARY DESIGNATION OF EXPERIMENTAL NAME	3. VARIETY NAME	
Holden's Foundation Seed	ls L.L.C.		None	LH372	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and	ZIP Code, and Country)		5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY PVPO NUMBER	
8350 Minnegan Road			(815) 758-9281	Page 19 900 and 19 1000 and 19	
Waterman, IL 60556 U.S.A.		.*	6. FAX (include area code) (815) 758-3117	200600034 FILING DATE	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FOR ORGANIZATION (corporation, partnership, association, etc.	OF 8, IF INCORP	ORATED, GIVE	9. DATE OF INCORPORATION -	H 31 2005	
Corporation	.*	aware	August 27, 1999	Nov. 21,2005	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE() TO SERVE IN THIS A	PPLICATION. (Fit	st person listed will receive all papers)	F FILING AND EXAMINATION FEES:	
·				E \$ 4382.00	
Timothy R. Kain		Micha	el J. Roth	R DATE 1//21/05	
8350 Minnegan Road		4 008	l. Lindbergh Blvd.	C CERTIFICATION FEE:	
Waterman, IL 60556		St. Lc	uis, MO	1, 768.00	
				E DATE 4/15/08	
11. TELEPHONE (Incluide area code)	12. FAX (Include area	code)	13. E-MAIL	14. CROP KIND (Common Name)	
(815) 758-9281	(815) 758-	•	trkain@monsanto.com	· ·	
15. GENUS AND SPECIES NAME OF CROP			16. FAMILY NAME (Botanical)	17. IS THE VARIETY A FIRST GENERATION HYBRID?	
Zea mays			Graminae	□ YES X NO	
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT (Follow instructions on reverse) a. X Exhibit A. Origin and Breeding History of the Varie			19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act) YES (If "yes", answer items 20 and 21 below) NO (If "no", go to item 22)		
b. X Exhibit B. Statement of Distinctness			20. DOES THE OWNER SPECIFY THAT	SEED OF THIS 🔲 YES 🗀 NO	
c. X Exhibit C. Objective Description of Variety			VARIETY BE LIMITED AS TO NUMBER OF CLASSES? IF YES, WHICH CLASSES?		
d. Exhibit D. Additional Description of the Variety (Op					
 e. X Exhibit E. Statement of the Basis of the Owner's Of f. X Voucher Sample (2,500 viable untreated seeds or, 		ieties.			
verification that tissue culture will be deposited and repository)			IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.		
g. X Filing and Examination Fee (\$3,652), made payable States" (Mail to the Plant Variety Protection Office)	to "Treasurer of the Uni	led	FOUNDATION REGISTERED CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)		
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATE FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRAN OR	RIAL) OR A HYBRID PR SFERRED, OR USED IN	RODUCED NTHE U, S.	23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?		
OTHER COUNTRIES?			☐ YES IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)		
X YES If YES, YOU MUST PROVIDE THE DATE OF FIRST SALE	NO , DISPOSITION, TRANS	SFER, OR			
USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Ple	ase use space indicated	on reverse.)			
24. The owners declare that a viable sample of basic seed of for a tuber propagated variety a tissue culture will be depo	he variety has been furn sited in a public reposito	ished with applica ory and maintained	tion and will be replenished upon request in d for the duration of the certificate.	n accordance with such regulations as may be applicable, or	
The undersigned owner(s) is(are) the owner of this sexual and is entitled to protection under the provisions of Section	y reproduced or tuber pro 142 of the Plant Variety I	opagated plant va Protection Act.	riety, and believe(s) that the variety is new,	distinct, uniform, and stable as required in Section 42,	
Owner(s) is(are) informed that false representation herein	can jeopardize protection	n and result in per	nalties.		
SIGNATURE OF OWNER IMPORTAL REPORTS		SIGNATURE OF OWNER			
NAME (Please print or type)			NAME (Please print or type)		
Timothy R. Kain					
CAPACITY OR TITLE Patent Scientist	DATE 11/17/0	5	CAPACITY OR TITLE	DATE	

ST-470 (02-10-2003) designed by the Plant Variety Protection Office using Word 2000. Replac

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initiated and dated. DO NOT use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office Telephone: (301) 504-5518 FAX; (301) 504-5291

Homepage: http://www.ams.usda.gov/science/pvpo/pvp.htm

ITEM

- (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; 18a. Give:
 - (2) the details of subsequent stages of selection and multiplication;

evidence of uniformity and stability; and

- (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
 - (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
- 19. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant MAY NOT reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
- 22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
- 23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.
- 21. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)
- 22. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

Sold in U.S. - December 2004

23. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. http://www.ams.usda.gov/lsg/seed.htm

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

EXHIBIT A

Origin and Breeding History LH372

LH372 was developed from the cross of LH283 x LH320 by double haploid induction, then selfing and using the conventional ear-to-row system of plant breeding. Yield, stalk quality, root quality, disease tolerance, late plant greenness, late plant intactness, ear retention, pollen shedding ability, silking ability and corn borer tolerance were the criteria used to determine the rows from which ears were selected during the development of LH372.

LH283 and LH320, the progenitors of LH372, are proprietary field corn inbred lines of Holden's Foundation Seeds, L.L.C..

Summer 1999	The inbred line LH283 (a proprietary Holden's inbred) was crossed to the inbred line LH320 (proprietary Holden's inbred) in Iowa Field/Row 30356-30357.
Winter 1999-2000	The cross of LH320 x LH283 was induced in Hawaii nursery row 1871.
Summer 2000	The induced cross of LH320 x LH283 was doubled in Hawaii nursery row 3820.
Winter 2000-2001	S6 ears were grown ear-to-row and self-pollinated in nursery row 33507 at Hawaii.
Winter 2001-2002	S7 ears were grown ear-to-row and self-pollinated in nursery row 31796 at Hawaii.
Summer 2002	S8 ears were grown ear-to-row and self-pollinated in Iowa nursery row 30604-30612. Line coded as EX6344.
Winter 2004-2005	Final selection made in Hawaii field #05KA3A25 and line coded LH372.

Statement of Stability and Uniformity

LH372 has shown uniformity and stability for all traits described in Exhibit C. It has been self-pollinated and ear-rowed for three generations, with careful attention to uniformity of plant type to ensure homozygosity and phenotypic stability.

Statement of Variants

The line is stable, uniform and no variant traits have been observed or are anticipated in LH372.

200600034

EXHIBIT B (revised)

Statement of Distinctness

Holden's Foundation Seeds L.L.C. believes that Corn Variety LH372 is most similar to Corn Variety LH320, an inbred developed by Holden's Foundation Seeds L.L.C.

Corn Variety LH372 differ from Corn Variety LH320 at the following traits:

Trait	LH372	LH320
Ear Position	Upright	Pendent

Corn variety LH372 has an upright ear while comparative corn variety LH320 has pendent ear position.

Description of Experimental Design

The corn varieties LH372, LH320 and CM105 were grown at the Waterman, IL observation nursery in years 2004-2005. The varieties were planted in 2 row plots with 15 plants per row in each of the three years. Trait data were collected on 10 random representative plants for most traits from each 2 row plot. Data on qualitative traits are usually collected on 10 plants from each 2 row plot. For Exhibit C all data were pooled and reported as means across the years for subject variety and the standard variety with standard deviation. The varieties are randomly planted in a 4.5 acre observation nursery which is located within a larger 18 acre field. Besides the observation nursery, this field consists of a research seed increase nursery and an IP seed inventory nursery. The location of each of these individual nurseries is rotated each year to a different location within the 18 acre field. Therefore subject inbreds are not planted adjacent to comparative or standard varieties and may be located in different areas of the larger field each year, therefore being influenced by spacial differences within the field. Growing conditions within the field are not uniform as there are some slight topographical variations such as lower areas which may accumulate and retain water or higher areas which are usually drier. The field is tiled and therefore a variety maybe planted close to a tile line while a comparative variety maybe planted further away and in a low spot within the field. Temporal varieties can exist as weather conditions from year to year can vary as well as planting dates can vary from year to year based on weather conditions. Weather conditions each year can vary the maturity rate of the varieties due to either favorable or unfavorable growing conditions.

Trait variability is not observed for each variety within its own test plot-plants are usually uniform and data are collected on the "most" representative plants- variability occurs due to spacial location of the test plot for that variety from year to year and to the temporal variation of weather conditions from year to year during the 2-3 years data are collected.

EXHIBIT B (cont'd)

Waterman Research Station Weather Data 2004-2005

Date	Average Precip. (mm)	Ave. Monthly Temp – Max. (F°)	Ave. Monthly Temp-Min (F°)	Ave. Monthly Rel. Humid Max (%)	Ave. Monthly Rel. Humid – Min (%)
June 2004	3.1	76.4	56.8	92.8	50.6
July 2004	3.2	79.3	59.2	94.9	55.9
August 2004	3.0	75.4	54.7	95.8	55.3
Sept. 2004	0.5	78.1	51.6	95.0	43.1
June 2005	0.9	84.7	61.3	89.8	41.7
July 2005	2.0	84.9	61.7	93.4	44.7
August 2005	2.5	82.6	60.4	94.9	50.0
Sept 2005	1.8	79.9	55.0	94.3	44.3

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United States Department of Agriculture, Agricultural Marketing Service Science and Technology, Plant Variety Protection Office National Agricultural Library Building, Room 400 Beltsville, MD 20705-2351

OBJECTIVE DESCRIPTION OF VARIETY CORN (Zea mays L.)

	CORN (Zea ma	ауо с.,			
Name of Applicant(s)		Variety Seed Source	Variety	Name or Temporary Des	ignation
Holden's Foundation Seed L.L.C.				LH372	
Address (Street & No., or R.F.D. No., City, State, Zip Code and Co	ountry)		FOR OF	FICIAL USE PV	PO Number
8350 Minnegan Road, Waterman, IL 60556				20060003	4
Place the appropriate number that describes the varietal character necessary. Completeness should be striven for to establish an ad	s typical of this inbred variety equate variety description.	in the spaces below. Rig			
COLOR CHOICES (Use in conjunction with Munself color code to 01=Light Green 06=Pale Yellow 07=Yellow 03=Dark Green 08=Yellow-Orange 04=Very Dark Green 09=Salmon 05=Green-Yellow 10=Pink-Orange	describe all color choices; des 11≃Pink 12=Light Red 13=Cherry Red 14≃Red 15=Red & White	16=Pale 17=Purpl 18=Color 19=White	Purple e less	21=Buff 22=Tan 23=Brown 24=Bronze 25=Variegated (Des 26=Other (Descrit	
STANDARD INBRED CHOICES (Use the most similar (in backgr Yellow Dent Families: Family Members B14 CM105, A632, B64, B68 B37 B37, B76, H84 B73 N192, A679, B73, NC268 C103 Mo17, Va102, Va35, A682 Oh43 A619, MS71, H99, Va26 WF9 W64A, A554, A654, Pa91	ound and maturity) of these to Yellow Dent (Unrelated Co109, ND246, Oh7, T232 W117, W153R W182BN White Dent: Cl66, H105, Ky2	d):	Sweet C Popcor S Pipecor	Corn: 13, Iowa5125, P39, 213 n: G1533, 4722, HP301, H	P7211
TYPE: (describe intermediate types in Comments section)			Standard Inbred	· · · · · · · · · · · · · · · · · · ·	
2 1=Sweet 2=Dent 3=Flint 4=Flour 5=Pop 6=Ornamenta	al 7=Pinecorn		2 Type		
2. REGION WHERE DEVELOPED IN THE U.S.A.:			Standard Seed S	OUTCO	
2 1=Northwest 2=North central 3=Northeast 4=South	east 5=South central 6=So	outhwest 7=Other	2 Region	ouroc	
MATURITY (In Region Best Adaptability; show Heat Unit formul DAYS HEAT UNITS 8 5 1 6 9 3. 0 From emergence to 50% of plants.)	•		DAYS 68	HEAT UNITS 1400.5	
8 2 1 5 8 8. 0 From emergence to 50% of pla	ants in pollen		64	1292.5	
From 10% to 90% pollen shed	I				
From 50% silk to optimum edi	ble quality				
From 50% silk to harvest at 25	5% moisture				
4. PLANT:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
2 0 9. 1 cm Plant Height (to tassel tip)	17.3	30	160.5	24.6	30
8 0. 3 cm Ear Height (to base of top ear node)	5.7	30	49.4	12.0	30
1 4.7 cm Length of Top Ear Internode	1.1	30	11.7	2.0	30
Average Number of Tillers			· · · ·		
1.0 Average Number of Ears per Stalk	0.0	30	1.0	0.1	15
2 Anthocyanin of Brace Roots: 1=Absent 2=Faint 3		-	2	. .,	1.
Application Variety Data		+	•••	Dota	
application valiety bata	Page 1	NII VII VII VII VII VII VII VII VII VII	Standard Inbred	Dald	

Application Variety Data	Page 2		Standard Inbred	20000	<u> </u>
5. LEAF:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
9.0 cm Width of Ear Node Leaf	1.5	30	7. 1	0.7	30
8 2. 2 cm Length of Ear Node Leaf	6.3	30	6 6. 7	9.6	30
6.5 Number of leaves above top ear	0.7	30	5.7	0.6	15
. 3 0. 3 degrees Leaf Angle (measure from 2nd leaf above ear at anthesis to st	42	30	4 7. 8	7.0	30
0 2 Leaf Color (Munsell code 5 GY 4/8)	aik above lear)		0 2 (Munsel	I code 5 GY 4/8)	
Leaf Sheath Pubescence (Rate on scale from 1=n	one to 9=like peach fuzz)		2		
5 Marginal Waves (Rate on scale from 1=none to 9=	•		6		
7 Longitudinal Creases (Rate on scale from 1=none			5		
6. TASSEL:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
5.3 Number of Primary Lateral Branches	1.9	30	5. 3	1.2	30
2 0. 9 Branch Angle from Central Spike	6.7	30	3 3.2	9.0	30
3 4. 9 cm Tassel Length (from top leaf collar to tassel tip)	3.3	30	3 4.4	2.6	30
4.9 Pollen Shed (Rate on scale from 0=male sterile to 9=h	eavy shed)		6 .2		
0 9 Anther Color (Munsell code 10 R 7/8)			0 7 (Muns	sell code 2.5 Y 8/10)	
1 2 Glume Color (Munsell code 5 R 5/8)			1 2 (Munse	ell code 2.5 R 5/8)	
1 Bar Glumes (Glume Bands): 1=Absent 2=Present			1		
7a. EAR (Unhusked Data):	······			***************************************	
0 7 Silk Color (3 days after emergence) (Munsell code 2.5 \	(8/10)		0 7 (Munse	ell code 2.5 Y 8/10)	
0 2 Fresh Husk Color (25 days after 50% silking) (Munsell code 5 GY 4/8)			0 2 (Munse	ell code 5 GY 4/8)	
2 1 Dry Husk Color (65 days after 50% Silking) (Munsell code 2.5 Y 8/4)			2 1 (Munse	ell code 2.5 Y 8/4)	
1 Position of Ear at Dry Husk Stage: 1=Upright 2=Horizont	al 3=Pendent		1		
9 Husk Tightness (Rate on scale from 1=very loose to 9=v	ery tight)		9		
1 Husk Extension (at harvest): 1=Short (ears exposed) 2=I tip) 4=Very Long (>10 cm)	Medium (<8 cm) 3=Long (8	3-10 cm beyond ear	1		
7b. EAR (Husked Ear Data):	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
1 4. 6 cm Ear Length	3.2	30	1 4.0	1.6	30
3 9. 7 mm Ear Diameter at mid-point	1.6	30	3 8.0	1.4	15
8 1.6 gm Ear Weight	2.1	30	7 3.2	1.9	15
13.8 Number of Kernel Rows	1.3	30	1 3.9	0.9	15
2 Kernel Rows: 1=Indistinct 2=Distinct			2		
2 Row Alignment: 1=Straight 2=Slightly Curved 3=Spi	ral		1		
8.8 cm Shank Length	1.3	30	6, 8	2.0	15
2 Ear Taper: 1=Slight 2=Average 3=Extreme			2		
Application Variety Data			Standard Inbred	Data	
Note: Use chart on first page to choose color codes for color traits.					*

B. KERNEL (Dried): 1 1 .2 mm Kernel Length 8 . 6 mm Kernel Width 5 . 5 mm Kernel Thickness	Standard Deviation 0.7 0.6 1.5	Sample Size 30 30	M ean 0 9.2	Standard Deviation	Sample Size
8 . 6 mm Kernel Width 5 . 5 mm Kernel Thickness	0.6		0 9.2	1.0	•
5 . 5 mm Kernel Thickness		30		1,0	15
	1.5		0 8, 2	0.6	15
000 N/B 115 1 101 =		30	0 5.1	1.2	15
26.9 % Round Kernels (Shape Grade)	0.9	500g	56.8	2.6	500g
1 Aleurone Color Pattern: 1=Homozygous 2=Segrega	ating (describe)	_	1		v
1 9 Aleurone Color (Munsell code Lighter than 2.5 Y 9/2	r)		1 9 (Muns	ell code Lighter Than 2.5	Y 9/2)
07 Hard Endosperm Color (Munsell code 2.5 Y 6/8)			0.7 (Munse	ell code 2.5 Y 8/8)	•
3 Endosperm Type: 1=Sweet (su1) 2=Extra Sweet (s 5=Waxy Starch 6=High Protein 7=High Lysine 10=Other	sh2) 3=Normal Starch 4= 8=Super Sweet (se)	High Amylose Starch 9=High Oil	0 3		
2 3.4 gm Weight per 100 Kernels (unsized sample)	1.9	1900 seeds	2 2.5	2.6	2000 seeds
COB:	Standard Deviation	Sample Size	Mean	Standard Deviation	Sample Size
2 4 .5 mm Cob Diameter at mid-point	0.9	30	2 6. 2	1.3	15
1 4 Cob Color (Munsell code 5 R 4/10)			1 4 (Muns	eli code 5 R 4/10)	
D. DISEASE RESISTANCE (Rate from 1 (most susceptible) to 9 (most succeptible)	st resistant); leave blank if n Race _ Race _ Race _	ot tested; leave	3 Northern Leaf 6 Southern Leaf Southern Rus 4 Stewart's Wilt	st nut ot rium Leaf Spot Blight 'Blight st	Race 1 Race O
Maize Chlorotic Dwarf Virus (MCDV) Maize Chlorotic Mottle Virus (MCMV) Maize Dwarf Mosaic Virus (MDMV) Maize Dwarf Mosaic Virus (MDMV) Mosaic Dwarf Mosaic Virus (MDMV) Mosaic Dwarf Mosaic Virus (MDMV) Mosaic Mosaic Virus (MDMV) Mosaic Mosaic Virus (MDMV) Stalk Rots Anthracnose Stalk Rot (Colletotrichum graminicola) Diplodia Stalk Rot (Stenocarpella maydis) Fusarium Stalk Rot (Fusarium moniliforme) Gibberella Stalk Rot (Gibberella zeae) Other (Specify) Ear and Kernel Rots Aspergillus Ear and Kernel Rot (Aspergillus flavus) Diplodia Ear Rot (Stenocarpella maydis) Fusarium Ear and Kernel Rot (Fusarium moniliforme) Gibberella Ear Rot (Gibberella zeae) Other (Specify) Other (Specify)	Strain		Maize Chlord Maize Chlori Maize Dwarf Sorghum Do Other (Specif Anthracnose Diplodia Stall Fusarium Sta Gibberella St Other (Specif Aspergillus E Diplodia Ear I	Stalk Rot k Rot lk Rot alk Rot y) ar & Kernel Rot Rot & Kernel Rot ir Rot	Strain
lication Variety Data			Standard Inbred E	Pata	

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	<u>,</u>
Application Variety Data Page 4	Standard Inbred Data
11. INSECT RESISTANCE (Rate from 1 (most susceptible) to 9 (most resistant); leave blank if not tested): Standard Deviation Sample Size	Standard Deviation Sample Size
Banks Grass Mite (Oligonychus pratensis)	Banks Grass Mite
Corn Earworm (<i>Helicoverpa zea</i>) Leaf-Feeding Silk Feeding : mg larval wt Ear Damage	Corn Earworm Leaf Feeding Ear Damage
Corn Leaf Aphid (Rhopalosiphum maidis) Corn Sap Beetle (Carpophilus dimidiatus)	Corn Leaf Aphid Corn Sap Beetle
European Corn Borer (Ostrinia nubilalis) 1st Generation (Typically Whorl Leaf Feeding) 2nd Generation (Typically Leaf Sheath-Collar Feeding) Stalk Tunneling : cm tunneled/plant	European Corn Borer 1st Generation 2nd Generation
Fall Armyworm (Spodoptera frugiperda) Leaf-Feeding Silk-Feeding: mg larval wt	Fall Armyworm Leaf Feeding
Maize Weevil (Sitophilus zeamaize) Northern Rootworm (Diabrotica barberi) Southern Rootworm (Diabrotica undecimpunctata)	Maize Weevil Northern Rootworm Southern Rootworm
Southwestern Corn Borer (<i>Diatraea grandiosella</i>) Leaf Feeding Stalk Tunneling: cm tunneled/plant	Southwestern Corn Borer Leaf Feeding Logical Corner
Two-spotted Spider Mite (Tetranychus urticae) Western Rootworm (Diabrotica virgifera virgifera) Other (Specify)	Two-spotted Spider Mite Western Rootworm Other (Specify)
12. AGRONOMIC TRAITS:	
7 Stay Green (at 65 days after anthesis) (Rate on a scale from 1=worst to 9=excellent.)	1 Stay Green
0 0 . 0 % Dropped Ears (at 65 days after anthesis)	0 0 . 1 % Dropped ears
0 0 .0 % Pre-anthesis Brittle Snapping	0 0 . 0 % Pre-anthesis Brittle Snapping
0 0. 0 % Pre-anthesis Root Lodging	0 0 . 0 % Pre-anthesis Root Lodging
0 0. 0 % Post-anthesis Root Lodging (at 65 days after anthesis)	0 0 . 0 % Post-anthesis Root Lodging
Kg/ha Yield of Inbred Per Se (at 12-13% grain moisture)	Yield
13. MOLECULAR MARKERS: (0=data unavailable; 1=data available but not supplied; 2=data supplied)	
0 Isozymes 0 RFLP's 0 RAPD'sOther (Specify)	
REFERENCES:	
Butler, D.R. 1954. A System for the Classification of Corn Inbred Lines. PhD Thesis, Ohio State University. Emerson, R.A., G.W. Beadle, and A.C. Fraser. 1935. A Summary of Linkage Studies in Maize. Cornell A.E.S., Mem. 180 Farr, D.F., G.F. Bills, G.P. Chamuris, A.Y. Rossman. 1989. Fungi on Plant and Plant Products in the United States. The Jugenheimer, R.W. 1976. Corn: Culture, Processing, Products. Avi Publishing Company, Westport, C.T. Jugenheimer, R.W. 1976. Corn: Improvement, Seed Production, and Uses. John Wiley & Sons, New York. McGee, D.C. 1988. Maize Diseases. APS Press, St. Paul, MN. 150 pp. Munsell Cofor Chart for Plant Tissues. Macbeth. P.O. Box 230. Newburgh, N.Y. 12551-0230 The Mutants of Maize. 1968. Crop Science Society of America. Madison, WI. Shurtleff, M.C. 1980. Compendium of Corn Diseases. APS Press, St. Paul, MN. 105 pp. Sprague, G.F., and J.W. Dudley (Editors). 1988. Corn and Corn Improvement, Third Edition. Agronomy Monograph 18. A Stringfield, G.H. Maize Inbred Lines of Ohio. Ohio A.E.S., Bul. 831, 1959. U.S. Department of Agriculture. 1936, 1937. Yearbook.	American Phytopathological Society, St. Paul, MN.
COMMENTS (e.g. state how heat units were calculated, standard inbred seed source, and/or where data was collected. (Continue in Exhibit D):
Heat Unit Calculation: GDU = Daily Max Temp (<=86°F) + Daily Min Temp (>=50°F) 2	- 50°F
Supplemental data provided for pollen shed, ear weight, % round kernels and weight per 100 kernels from inventory data. Supplemental data for quantitative traits of subject variety 'LH372' obtained from 2006 and	2006 production parent test data and 2006 seed 2007 seed inventory and production parent test.

REPRODUCE LOCALLY. Include form grapher and edition date on all	Lreproductions.	FORM APPROVED - OMS.No. 0581-0058
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to de certificate is to be issued (7 U.S.C. 2 confidential until the certificate is issued.	421). The information is held
1. NAME OF APPLICANT(S)	Z. TEMPORARY DESIGNATION	3. VARIETY NAME
	OR EXPERIMENTAL NUMBER	A. SIND MEE E & MANNE
Holden's Foundation Seeds L.L.C.	The second secon	LH372
Annual Control of the		
4. ADDRESS (Street continue, cent. A.D. Chy. State, and ZIP. and Cauty)	5: TELEPHONE (Includerarea cone)	G: FAX (Installe area codé)
8350 Minnegan Road	(815) 758-9281	(815) 758-3117
Waterman, IL 60556	7. PVPO NOMBER	die a sessere.
U.S.A.	1	200500034
8. Does the applicant own all rights to the variety? Mark an "X" in the	If no no	
9. Is the applicant (individual or company) a U.S. National or a U.S. b	ased company? If no, give name of c	ountry X YES NO
10. Is the applicant the original owner? X YES NO	If no, please answer one of the fol	lowing:
a. If the original rights to variety were owned by individual(s), is (a	are) the original owner(s) a U.S. Nation	al(s)?
YES NO	If no, give name of country	
b. If the original rights to variety were owned by a company(ies),	is (are) the original owner(s) a U.S. bar	sed company?
	If no give name of any inter	
YES NO	If no, give name of country	*
11. Additional explanation on ownership (If needed, use the reverse for	or extra space):	
Corn Variety LH372 was originated and deversible Foundation Seeds, L.L.C. By agreement be breeder, all rights to any invention, discovery Foundation Seeds, L.L.C. No rights to such the breeder.	tween Holden's Foundation See y or development are assigned t	eds, L.L.C. and the to Holden's
PLEASE NOTE:		
, i the state of t		
Plant variety protection can only be afforded to the owners (not license	ees) who meet the following criteria:	
 If the rights to the variety are owned by the original breeder, that pe national of a country which affords similar protection to nationals of 	erson must be a U.S. national, national of the U.S. for the same genus and speci	of a UPOV member country, or es.
If the rights to the variety are owned by the company which employ nationals of a UPOV member country, or owned by nationals of a c genus and species.		
3. If the applicant is an owner who is not the original owner, both the c	original owner and the applicant must m	eet one of the above criteria.
The original breeder/owner may be the individual or company who dire	ected the final breeding. See Section 4	1(a)(2) of the Plant Variety Protection
According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, a control number. The valid OMB control number for this information collection is 0581-0055, response, including the time for reviewing the instructions, searching existing data sources, g	The time required to complete this information collec-	tion is estimated to average 6 minutes per

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> U.S. DEPARTMENT OF AGRICULTURE **AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY PLANT VARIETY PROTECTION OFFICE** BELTSVILLE, MD 20705

EXHIBIT F

	DECLARATION REGARDING DEPOSIT	
NAME OF OWNER (S) Holden's Foundation Seeds LLC	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 8350 Minnegan Road, Waterman, IL 60556 USA	TEMPORARY OR EXPERIMENTAL DESIGNATION
		VARIETY NAME LH372
NAME OF OWNER REPRESENTATIVE (S) Timothy R. Kain	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) 8350 Minnegan Road, Waterman, IL 60556 USA	PVPO NUMBER
		200600034

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.

3/17/2008